

**UNCLASSIFIED**

<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2016 Army									<b>Date:</b> February 2015			
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A: Procurement of Ammunition, Army / BA 01: Ammunition / BSA 35: Tank Ammunition							<b>P-1 Line Item Number / Title:</b> E22203 / Cartridges, Tank, 105MM And 120MM, All Types					
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :			<b>Program Elements for Code B Items:</b>					<b>Other Related Program Elements:</b>				
<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016 Base</b>	<b>FY 2016 OCO</b>	<b>FY 2016 Total</b>	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity <i>(Units in Each)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost <i>(\$ in Millions)</i>	2,867.623	121.550	101.900	105.541	-	105.541	125.802	125.671	147.171	175.479	-	3,770.737
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	2,867.623	121.550	101.900	105.541	-	105.541	125.802	125.671	147.171	175.479	-	3,770.737
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority</b> <i>(\$ in Millions)</i>	<b>2,867.623</b>	<b>121.550</b>	<b>101.900</b>	<b>105.541</b>	<b>-</b>	<b>105.541</b>	<b>125.802</b>	<b>125.671</b>	<b>147.171</b>	<b>175.479</b>	<b>-</b>	<b>3,770.737</b>
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost <i>(\$ in Dollars)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost <i>(\$ in Dollars)</i>	-	-	-	-	-	-	-	-	-	-	-	-
<p><b>Description:</b>  This budget line includes CARTRIDGE, TANK, 105MM and 120MM ALL TYPES:</p> <p>(E22125) The M724A1E1 Cartridge will replace the (E22100) M724A1 Cartridge and provide the Army with a range limited (7,000 meters, maximum) round which can be safely fired at all training sites. The Cartridge, M724A1E1, 105mm Target Practice Discarding Sabot with Tracer (TPDS-T) is used for gunnery training in the Army's 105mm Stryker Brigade Combat Team (SBCT) Mobile Gun System (MGS). This discarding sabot round is similar in external appearance and is ballistically similar out to 2,000 meters with the M900, Armor Piercing Fin Stabilized Discarding Sabot w/Tracer Cartridge. It is used as a training surrogate for the M900 Cartridge used by the MGS. The M724A1E1 Cartridge consists of a deep drawn steel cartridge case, electric primer, propellant and a projectile consisting of a sub-projectile (steel core, windshield, fin and tracer) and aluminum sabot. This item is Code A, approved for service use.</p> <p>(E73201) The Cartridge, 120mm, Target Practice Multi Purpose-Tracer (TPMP-T) M1002 is a target practice cartridge that simulates the size, weight, ballistics and the loader's function of setting the nose switch of the High Explosive Multi-Purpose cartridge M830A1. This round is fired from the M256 120mm smoothbore cannon on the M1A1/M1A2 Abrams Tank. The projectile is inert and composed of an aluminum body, steel nose with dummy plastic switch, aluminum tailcone, aluminum sabot, nylon obturators and tracer. The tailcone imparts spin to the projectile in flight for stabilization and provides the mechanism to limit the projectile's maximum range. The M1002 replaces the M831A1 cartridge. Tank crews will conduct live fire training with the cartridge to achieve and maintain gunnery proficiency. This item is Code A, approved for service use.</p> <p>(E73400) The 120mm M865 Target Practice Cone-Stabilized Discarding Sabot with Tracer (TPCSDS-T) is a target practice round that simulates the ballistics of the 120mm M829 Series Armor Piercing Fin-Stabilized Discarding Sabot with Tracer (APFSDS-T) round. This round is fired from the M256 120mm smoothbore cannon on the M1A1/M1A2 Abrams Tank. The projectile is inert and is composed of a steel core, aluminum fin, aluminum sabots, nylon obturator and tracer. The fin imparts spin to the projectile in flight for stabilization and provides the mechanism to limit the projectile's maximum range. Tank crews will conduct live fire training with the cartridge to achieve and maintain gunnery proficiency. This item is Code A, approved for service use.</p> <p>(E88106) The 120mm M829E4 Armor Piercing Fin Stabilized, Discarding Sabot with Tracer (APFSDS-T) cartridge is the follow on to the M829A3 APFSDS-T cartridge. The M829E4 is the most effective anti-armor kinetic energy cartridge fired from the M256 120mm smoothbore cannon on the M1A1/M1A2 Abrams Tank. This cartridge has been designed to defeat advances in armor protection, specifically advancement in explosive reactive armor (ERA). The cartridge incorporates advancements in propulsion, using a temperature insensitive propellant, novel penetrator design, and an advanced composite sabot. The projectile system consists of a depleted uranium penetrator mated to a drag reducing windshield and flight stabilizing multi-bladed fin, all secured for launch with a composite sabot. The M829E4 captures several new technologies along with components previously used on previous APFSDS-T cartridges, but incorporates technology advancements to yield significant improvement in performance over previous fielded cartridges. This item is Code A, approved for service use.</p>												

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Exhibit P-40, Budget Line Item Justification: PB 2016 Army		Date: February 2015
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A: Procurement of Ammunition, Army / BA 01: Ammunition / BSA 35: Tank Ammunition		<b>P-1 Line Item Number / Title:</b> E22203 / Cartridges, Tank, 105MM And 120MM, All Types
ID Code (A=Service Ready, B=Not Service Ready) :	Program Elements for Code B Items:	Other Related Program Elements:

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<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2016 Army							<b>Date:</b> February 2015	
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A: Procurement of Ammunition, Army / BA 01: Ammunition / BSA 35: Tank Ammunition					<b>P-1 Line Item Number / Title:</b> E22203 / Cartridges, Tank, 105MM And 120MM, All Types			
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :			<b>Program Elements for Code B Items:</b>			<b>Other Related Program Elements:</b>		
<b>Exhibits Schedule</b>			<b>Prior Years</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016 Base</b>	<b>FY 2016 OCO</b>	<b>FY 2016 Total</b>
<b>Title*</b>	<b>Exhibits</b>	<b>ID CD</b>	<b>Quantity / Total Cost (Each) / (\$ M)</b>	<b>Quantity / Total Cost (Each) / (\$ M)</b>	<b>Quantity / Total Cost (Each) / (\$ M)</b>	<b>Quantity / Total Cost (Each) / (\$ M)</b>	<b>Quantity / Total Cost (Each) / (\$ M)</b>	<b>Quantity / Total Cost (Each) / (\$ M)</b>
E22125 / CTG, TANK, 105MM TPDS-T M724A1E1(short rg KE trnr) [CA58]	P-5, P-5a, P-21	A	- / -	912 / 7.024	1,127 / 6.103	1,292 / 5.800	- / -	1,292 / 5.800
E73201 / CTG, TANK, 120MM TGT PRACT - TRACER (TP-T), M1002 [CA31]	P-5, P-5a, P-21	A	169,000 / 338.226	4,652 / 22.129	9,266 / 34.647	4,880 / 32.500	- / -	4,880 / 32.500
E73400 / CTG TANK 120MM TPCSDS-T M865 [C785]	P-5	A	3,649,000 / 2,529.397	- / 62.229	- / 19.915	- / 28.263	- / -	- / 28.263
E88106 / CTG, TANK, 120MM APFSDS-T, M829E4 [CA64]	P-5, P-5a, P-21	A	- / -	860 / 30.168	3,485 / 41.235	3,673 / 38.978	- / -	3,673 / 38.978
<b>Total Gross/Weapon System Cost</b>			<b>- / 2,867.623</b>	<b>- / 121.550</b>	<b>- / 101.900</b>	<b>- / 105.541</b>	<b>- / -</b>	<b>- / 105.541</b>
*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.								
Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.								
<p><b>Justification:</b> FY 2016 Base Budget supports critical Army Title 10 war reserve/operational, training, and test requirements IAW DoD Instruction 3000.04 (Munitions Requirements Process) and AR 5-13 (Total Army Munitions Requirements Process and Prioritization System). War reserve requirements support OSD-approved Combatant Commander Operational Plans, Homeland Defense, and other OSD-directed missions. Training requirements support individual and collective training of Active and Reserve Component forces at Army schools, home station, and the combined training centers. Test requirements support the development, fielding, safety, and quality assurance of Army munitions and equipment throughout their life-cycle.</p> <p>In accordance with Section 1815 of the FY 2008 National Defense Authorization Act (P.L. 110-181), this item is necessary for use by the active and reserve components of the Armed Forces for homeland defense missions, domestic emergency responses, and providing military support to civil authorities.</p> <p>(E22125) M724A1E1 – This is a training unique item not used in combat. The FY 2016 request supports annual training and builds a depot level in accordance with the Army procurement goals. FY 2016 Base procurement dollars in the amount of \$5.800 million supports the procurement of .001 million M724A1E1 cartridges.</p> <p>(E73201) M1002 (TPMP-T) - This is a training unique item not used in combat. The FY 2016 request supports annual training and builds a depot level in accordance with the Army procurement goals. FY 2016 Base procurement dollars in the amount of \$32.500 million supports the procurement of .005 million M1002 cartridges.</p> <p>(E73400) M865 (TPCSDS-T) - This is a training unique item not used in combat. The FY 2016 request supports annual training and provides a safer round by incorporating safety initiatives such as a safer case. FY 2016 Base procurement dollars in the amount of \$28.263 million supports recapitalizing M865 cartridges.</p> <p>(E88106) M829E4 (APFSDS-T) - This is a war reserve item used in combat. The FY 2016 request builds a war reserve inventory in accordance with Army's procurement goals. FY 2016 Base procurement dollars in the amount of \$38.978 million supports .004 million M829E4 cartridges.</p>								

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Exhibit P-5, Cost Analysis: PB 2016 Army											Date: February 2015							
Appropriation / Budget Activity / Budget Sub Activity: 2034A / 01 / 35						P-1 Line Item Number / Title: E22203 / Cartridges, Tank, 105MM And 120MM, All Types						Item Number / Title [DODIC]: E22125 / CTG, TANK, 105MM TPDS-T M724A1E1(short rg KE trnr) [CA58]						
ID Code (A=Service Ready, B=Not Service Ready) : A										MDAP/MAIS Code:								
Resource Summary				Prior Years		FY 2014		FY 2015		FY 2016 Base		FY 2016 OCO		FY 2016 Total				
Procurement Quantity (Units in Each)				-		912		1,127		1,292		-		1,292				
Gross/Weapon System Cost (\$ in Millions)				-		7.024		6.103		5.800		-		5.800				
Less PY Advance Procurement (\$ in Millions)				-		-		-		-		-		-				
Net Procurement (P1) (\$ in Millions)				-		7.024		6.103		5.800		-		5.800				
Plus CY Advance Procurement (\$ in Millions)				-		-		-		-		-		-				
Total Obligation Authority (\$ in Millions)				-		7.024		6.103		5.800		-		5.800				
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)																		
Initial Spares (\$ in Millions)				-		-		-		-		-		-				
Gross/Weapon System Unit Cost (\$ in Dollars)				-		7,701.75		5,415.26		4,489.16		-		4,489.16				
Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.																		
Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
Hardware Cost																		
Recurring Cost																		
COMPLETE ROUND <sup>(†)</sup>	-	-	-	6,234.00	912	5.685	2,819.28	1,127	3.177	2,875.47	1,292	3.715	-	-	-	2,875.47	1,292	3.715
Subtotal: Recurring Cost	-	-	-	-	-	5.685	-	-	3.177	-	-	3.715	-	-	-	-	-	3.715
Subtotal: Hardware Cost	-	-	-	-	-	5.685	-	-	3.177	-	-	3.715	-	-	-	-	-	3.715
Support Cost																		
PRODUCTION ENGINEERING	-	-	-	-	-	1.147	-	-	1.285	-	-	1.673	-	-	-	-	-	1.673
ACCEPTANCE TESTING	-	-	-	-	-	0.060	-	-	0.060	-	-	0.060	-	-	-	-	-	0.060
FIRST ARTICLE TEST	-	-	-	-	-	0.132	-	-	0.106	-	-	0.102	-	-	-	-	-	0.102
PRODUCTION VERIFICATION TEST	-	-	-	-	-	-	-	-	1.475	-	-	0.250	-	-	-	-	-	0.250
Subtotal: Support Cost	-	-	-	-	-	1.339	-	-	2.926	-	-	2.085	-	-	-	-	-	2.085
Gross/Weapon System Cost	-	-	-	7,701.75	912	7.024	5,415.26	1,127	6.103	4,489.16	1,292	5.800	-	-	-	4,489.16	1,292	5.800
† indicates the presence of a P-5a																		

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<b>Exhibit P-5a, Procurement History and Planning:</b> PB 2016 Army								<b>Date:</b> February 2015				
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 35				<b>P-1 Line Item Number / Title:</b> E22203 / Cartridges, Tank, 105MM And 120MM, All Types				<b>Item Number / Title [DODIC]:</b> E22125 / CTG, TANK, 105MM TPDS-T M724A1E1(short rg KE trnr) [CA58]				
<b>Cost Elements</b>	<b>O C O</b>	<b>FY</b>	<b>Contractor and Location</b>	<b>Method/Type or Funding Vehicle</b>	<b>Location of PCO</b>	<b>Award Date</b>	<b>Date of First Delivery</b>	<b>Qty (Each)</b>	<b>Unit Cost (\$)</b>	<b>Specs Avail Now?</b>	<b>Date Revision Available</b>	<b>RFP Issue Date</b>
COMPLETE ROUND <sup>(†)</sup>		2014	ALLIANT TECHSYSTEMS INC. / PLYMOUTH, MN	C / FFP	PICATINNY ARSENAL, NJ	Aug 2014	Sep 2015	912	6,234.00	Y		
COMPLETE ROUND <sup>(†)</sup>		2015	TO BE SELECTED / TBS01	C / FFP	PICATINNY ARSENAL, NJ	Mar 2015	Mar 2016	1,127	2,819.28	Y		
COMPLETE ROUND <sup>(†)</sup>		2016	TO BE SELECTED / TBS01	C / FFP	PICATINNY ARSENAL, NJ	Mar 2016	Mar 2017	1,292	2,875.47	Y		

<sup>(†)</sup> indicates the presence of a P-21

**Remarks:**  
 This is a training unique item not used in combat. The FY 2016 request supports annual training and builds a depot level in accordance with the Army procurement goals. FY 2016 Base procurement dollars in the amount of \$5.800 million supports .001 million M724A1E1 cartridges.

This item is Code A, approved for service use.

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Exhibit P-21, Production Schedule: PB 2016 Army																				Date: February 2015														
Appropriation / Budget Activity / Budget Sub Activity: 2034A / 01 / 35										P-1 Line Item Number / Title: E22203 / Cartridges, Tank, 105MM And 120MM, All Types										Item Number / Title [DODIC]: E22125 / CTG, TANK, 105MM TPDS-T M724A1E1(short rg KE trnr) [CA58]														
Cost Elements (Units in Each)							Fiscal Year 2014													Fiscal Year 2015														
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2013	BAL DUE AS OF 1 OCT	Calendar Year 2014													Calendar Year 2015														
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L			
COMPLETE ROUND																																		
	1	2014	ARMY	912	-	912											A	-	-	-	-	-	-	-	-	-	-	-	-	-	912	-		
	2	2015	ARMY	1,127	-	1,127																			A	-	-	-	-	-	-	-	1,127	
	2	2016	ARMY	1,292	-	1,292																										1,292		
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L			

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Exhibit P-21, Production Schedule: PB 2016 Army																				Date: February 2015															
Appropriation / Budget Activity / Budget Sub Activity: 2034A / 01 / 35										P-1 Line Item Number / Title: E22203 / Cartridges, Tank, 105MM And 120MM, All Types										Item Number / Title [DODIC]: E22125 / CTG, TANK, 105MM TPDS-T M724A1E1(short rg KE trnr) [CA58]															
Cost Elements (Units in Each)							Fiscal Year 2016													Fiscal Year 2017															
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2015	BAL DUE AS OF 1 OCT	Calendar Year 2016													Calendar Year 2017													B A L		
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P					
COMPLETE ROUND																																			
	1	2014	ARMY	912	912	-																												-	
	2	2015	ARMY	1,127	-	1,127	-	-	-	-	-	-	1,127																					-	
	2	2016	ARMY	1,292	-	1,292						A -	-	-	-	-	-	-	-	-	-	-	-	1,292											-
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L				

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Exhibit P-21, Production Schedule: PB 2016 Army									Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 2034A / 01 / 35					P-1 Line Item Number / Title: E22203 / Cartridges, Tank, 105MM And 120MM, All Types				Item Number / Title [DODIC]: E22125 / CTG, TANK, 105MM TPDS-T M724A1E1(short rg KE trnr) [CA58]				
		Production Rates (Each / Month)			Procurement Leadtime (Months)								
MFR Ref #	MFR Name - Location	MSR For 2016	1-8-5 For 2016	MAX For 2016	Initial				Reorder				
					ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1	
1	ALLIANT TECHSYSTEMS INC. - PLYMOUTH, MN	1,000	2,000	3,000	7	11	12	23	6	6	12	18	
2	TO BE SELECTED - TBS01	1,000	2,000	3,000	7	11	12	23	6	6	12	18	

"A" in the Delivery Schedule indicates the Contract Award Date.

Note: Due to space limitations, quantities in the Exhibit P-21 delivery calendar are truncated and rounded based on the maximum quantity in the calendar as follows. If the maximum quantity is less than or equal to than 9,999, all quantities are shown as each. If the maximum quantity is between 10,000 and 999,999 all quantities are shown in thousands. If the maximum quantity is between 1,000,000 and 999,999,999 all quantities are shown in millions (rounded to the nearest thousand).If the maximum quantity is equal or greater than 1,000,000,000 all quantities are shown in billions (rounded to the nearest million).



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Exhibit P-5, Cost Analysis: PB 2016 Army											Date: February 2015							
Appropriation / Budget Activity / Budget Sub Activity: 2034A / 01 / 35						P-1 Line Item Number / Title: E22203 / Cartridges, Tank, 105MM And 120MM, All Types						Item Number / Title [DODIC]: E73201 / CTG, TANK, 120MM TGT PRACT - TRACER (TP-T), M1002 [CA31]						
ID Code (A=Service Ready, B=Not Service Ready) : A										MDAP/MAIS Code:								
Resource Summary				Prior Years		FY 2014		FY 2015		FY 2016 Base		FY 2016 OCO		FY 2016 Total				
Procurement Quantity (Units in Each)				169,000		4,652		9,266		4,880		-		4,880				
Gross/Weapon System Cost (\$ in Millions)				338.226		22.129		34.647		32.500		-		32.500				
Less PY Advance Procurement (\$ in Millions)				-		-		-		-		-		-				
Net Procurement (P1) (\$ in Millions)				338.226		22.129		34.647		32.500		-		32.500				
Plus CY Advance Procurement (\$ in Millions)				-		-		-		-		-		-				
Total Obligation Authority (\$ in Millions)				338.226		22.129		34.647		32.500		-		32.500				
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)																		
Initial Spares (\$ in Millions)				-		-		-		-		-		-				
Gross/Weapon System Unit Cost (\$ in Dollars)				2,001.34		4,756.88		3,739.15		6,659.84		-		6,659.84				
Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.																		
Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
Hardware Cost																		
Recurring Cost																		
COMPLETE ROUND <sup>(†)</sup>	-	-	-	2,288.80	4,652	10.647	2,842.08	9,266	26.335	2,896.06	4,880	14.133	-	-	-	2,896.06	4,880	14.133
Subtotal: Recurring Cost	-	-	-	-	-	10.647	-	-	26.335	-	-	14.133	-	-	-	-	-	14.133
Subtotal: Hardware Cost	-	-	-	-	-	10.647	-	-	26.335	-	-	14.133	-	-	-	-	-	14.133
Support Cost																		
PRODUCTION ENGINEERING	-	-	338.226	-	-	3.863	-	-	2.974	-	-	3.251	-	-	-	-	-	3.251
QUALITY ASSURANCE	-	-	-	-	-	0.025	-	-	0.007	-	-	0.008	-	-	-	-	-	0.008
ACCEPTANCE TESTING	-	-	-	-	-	0.965	-	-	0.842	-	-	0.872	-	-	-	-	-	0.872
RPD596 QUALIFICATION	-	-	-	-	-	3.150	-	-	1.695	-	-	2.910	-	-	-	-	-	2.910
TRACER IMPROVEMENT	-	-	-	-	-	0.841	-	-	0.642	-	-	-	-	-	-	-	-	-
HERO PRIMER	-	-	-	-	-	1.539	-	-	1.259	-	-	-	-	-	-	-	-	-
PRIMER IMPROVEMENT	-	-	-	-	-	1.099	-	-	0.893	-	-	1.410	-	-	-	-	-	1.410
RECAPITALIZATION M1002	-	-	-	-	-	-	-	-	-	-	-	9.916	-	-	-	-	-	9.916
Subtotal: Support Cost	-	-	338.226	-	-	11.482	-	-	8.312	-	-	18.367	-	-	-	-	-	18.367

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<b>Exhibit P-5, Cost Analysis:</b> PB 2016 Army										<b>Date:</b> February 2015							
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 35					<b>P-1 Line Item Number / Title:</b> E22203 / Cartridges, Tank, 105MM And 120MM, All Types					<b>Item Number / Title [DODIC]:</b> E73201 / CTG, TANK, 120MM TGT PRACT - TRACER (TP-T), M1002 [CA31]							

<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A										<b>MDAP/MAIS Code:</b>							
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Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
Gross/Weapon System Cost	2,001.34	169,000	338.226	4,756.88	4,652	22.129	3,739.15	9,266	34.647	6,659.84	4,880	32.500	-	-	-	6,659.84	4,880	32.500

(t) indicates the presence of a P-5a

# UNCLASSIFIED

<b>Exhibit P-5a, Procurement History and Planning:</b> PB 2016 Army									<b>Date:</b> February 2015			
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 35			<b>P-1 Line Item Number / Title:</b> E22203 / Cartridges, Tank, 105MM And 120MM, All Types						<b>Item Number / Title [DODIC]:</b> E73201 / CTG, TANK, 120MM TGT PRACT - TRACER (TP-T), M1002 [CA31]			
Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$)	Specs Avail Now?	Date Revision Available	RFP Issue Date
COMPLETE ROUND <sup>(†)</sup>		2014	ALLIANT TECHSYSTEMS INC. / PLYMOUTH, MN	SS / FFP	ROCK ISLAND ARSENAL, IL	Mar 2014	Sep 2015	2,326	2,288.80	Y		
COMPLETE ROUND <sup>(†)</sup>		2014	GENERAL DYNAMICS ORD AND TACT / ST PETERSBURG, FL	SS / FFP	ROCK ISLAND ARSENAL, IL	Mar 2014	Oct 2015	2,326	2,288.80	Y		
COMPLETE ROUND <sup>(†)</sup>		2015	ALLIANT TECHSYSTEMS INC. / PLYMOUTH, MN	SS / FFP	ROCK ISLAND ARSENAL, IL	Mar 2015	Feb 2016	4,633	2,842.08	Y		
COMPLETE ROUND <sup>(†)</sup>		2015	GENERAL DYNAMICS ORD AND TACT / ST PETERSBURG, FL	SS / FFP	ROCK ISLAND ARSENAL, IL	Mar 2015	Feb 2016	4,633	2,842.08	Y		
COMPLETE ROUND <sup>(†)</sup>		2016	ALLIANT TECHSYSTEMS INC. / PLYMOUTH, MN	SS / FFP	ROCK ISLAND ARSENAL, IL	Mar 2016	Feb 2017	2,440	2,896.06	Y		
COMPLETE ROUND <sup>(†)</sup>		2016	GENERAL DYNAMICS ORD AND TACT / ST PETERSBURG, FL	SS / FFP	ROCK ISLAND ARSENAL, IL	Mar 2016	Feb 2017	2,440	2,896.06	Y		

<sup>(†)</sup> indicates the presence of a P-21

**Remarks:**

FY 2014, FY 2015, and FY 2016 hardware unit prices are an average unit price for multiple producers. FY 2014, FY 2015, and FY 2016 complete round is awarded as an option to the FY 2012 contract.

This is a training unique item not used in combat. The FY 2016 request supports annual training and builds a depot level in accordance with the Army procurement goals. FY 2016 Base procurement dollars in the amount of \$32.500 million supports .005 million M1002 cartridges.

This item is Code A, approved for service use.

**UNCLASSIFIED**

Exhibit P-21, Production Schedule: PB 2016 Army																				Date: February 2015														
Appropriation / Budget Activity / Budget Sub Activity: 2034A / 01 / 35										P-1 Line Item Number / Title: E22203 / Cartridges, Tank, 105MM And 120MM, All Types												Item Number / Title [DODIC]: E73201 / CTG, TANK, 120MM TGT PRACT - TRACER (TP-T), M1002 [CA31]												
Cost Elements (Units in Each)							Fiscal Year 2014												Fiscal Year 2015															
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2013	BAL DUE AS OF 1 OCT	Calendar Year 2014															Calendar Year 2015												
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L			
COMPLETE ROUND																																		
	1	2014	ARMY	2,326	-	2,326						A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2,326	-		
	2	2014	ARMY	2,326	-	2,326						A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2,326		
	1	2015	ARMY	4,633	-	4,633																		A -	-	-	-	-	-	-	-	4,633		
	1	2015	MC (#)	513	-	513																		A -	-	-	-	-	-	-	-	513		
	1	2015	Total	5,146	-	5,146																		-	-	-	-	-	-	-	-	5,146		
	2	2015	ARMY	4,633	-	4,633																		A -	-	-	-	-	-	-	-	4,633		
	2	2015	MC (#)	513	-	513																		A -	-	-	-	-	-	-	-	513		
	2	2015	Total	5,146	-	5,146																		-	-	-	-	-	-	-	-	5,146		
	1	2016	ARMY	2,440	-	2,440																										2,440		
	2	2016	ARMY	2,440	-	2,440																										2,440		
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L			

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Exhibit P-21, Production Schedule: PB 2016 Army																				Date: February 2015																
Appropriation / Budget Activity / Budget Sub Activity: 2034A / 01 / 35										P-1 Line Item Number / Title: E22203 / Cartridges, Tank, 105MM And 120MM, All Types										Item Number / Title [DODIC]: E73201 / CTG, TANK, 120MM TGT PRACT - TRACER (TP-T), M1002 [CA31]																
Cost Elements (Units in Each)							Fiscal Year 2016													Fiscal Year 2017																
O C O	M F R #	FY	SERVICE	PROC QTY	ACCEP T P R I O R T O 1 O C T 2 0 1 5	BAL D U E A S O F 1 O C T				Calendar Year 2016													Calendar Year 2017													
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L					
COMPLETE ROUND																																				
	1	2014	ARMY	2,326	2,326	-																								-						
	2	2014	ARMY	2,326	-	2,326	2,326																								-					
	1	2015	ARMY	4,633	-	4,633	-	-	-	-	387	386	386	386	386	386	386	386	386	386	386	386	386	386	386	386	386	386	386	-						
	1	2015	MC (†)	513	-	513	-	-	-	-	52	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	41	-							
	1	2015	Total	5,146	-	5,146	-	-	-	-	439	428	428	428	428	428	428	428	428	428	428	428	428	428	428	428	427	-								
	2	2015	ARMY	4,633	-	4,633	-	-	-	-	387	386	386	386	386	386	386	386	386	386	386	386	386	386	386	386	386	386	-							
	2	2015	MC (†)	513	-	513	-	-	-	-	52	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	41	-								
	2	2015	Total	5,146	-	5,146	-	-	-	-	439	428	428	428	428	428	428	428	428	428	428	428	428	428	428	427	-									
	1	2016	ARMY	2,440	-	2,440					A -	-	-	-	-	-	-	-	-	-	-	-	-	207	203	203	203	203	812							
	2	2016	ARMY	2,440	-	2,440					A -	-	-	-	-	-	-	-	-	-	-	-	-	207	203	203	203	203	812							
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L					

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Exhibit P-21, Production Schedule: PB 2016 Army																		Date: February 2015																	
Appropriation / Budget Activity / Budget Sub Activity: 2034A / 01 / 35							P-1 Line Item Number / Title: E22203 / Cartridges, Tank, 105MM And 120MM, All Types																		Item Number / Title [DODIC]: E73201 / CTG, TANK, 120MM TGT PRACT - TRACER (TP-T), M1002 [CA31]										
Cost Elements (Units in Each)							Fiscal Year 2018														Fiscal Year 2019														
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEP T P R I O R T O 1 O C T 2017	BAL DUE AS OF 1 OCT	Calendar Year 2018														Calendar Year 2019														
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L				
COMPLETE ROUND																																			
	1	2014	ARMY	2,326	2,326	-																									-				
	2	2014	ARMY	2,326	2,326	-																									-				
	1	2015	ARMY	4,633	4,633	-																									-				
	1	2015	MC (+)	513	513	-																									-				
	1	2015	Total	5,146	5,146	-																									-				
	2	2015	ARMY	4,633	4,633	-																									-				
	2	2015	MC (+)	513	513	-																									-				
	2	2015	Total	5,146	5,146	-																									-				
	1	2016	ARMY	2,440	1,628	812	203	203	203	203																					-				
	2	2016	ARMY	2,440	1,628	812	203	203	203	203																					-				
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L				

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Exhibit P-21, Production Schedule: PB 2016 Army									Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 2034A / 01 / 35					P-1 Line Item Number / Title: E22203 / Cartridges, Tank, 105MM And 120MM, All Types				Item Number / Title [DODIC]: E73201 / CTG, TANK, 120MM TGT PRACT - TRACER (TP-T), M1002 [CA31]				
		Production Rates (Each / Month)			Procurement Leadtime (Months)								
MFR Ref #	MFR Name - Location	MSR For 2016	1-8-5 For 2016	MAX For 2016	Initial				Reorder				
					ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1	
1	ALLIANT TECHSYSTEMS INC. - PLYMOUTH, MN	500	11,000	33,000	6	6	11	17	6	6	11	17	
2	GENERAL DYNAMICS ORD AND TACT - ST PETERSBURG, FL	500	11,000	33,000	6	6	11	17	6	6	11	17	
Remarks: M1002 & M865 LINE SHARE AT IOWA AAP.													
(‡) Delivery rows marked with this symbol indicate that they are funded through a separate Line Item. See the respective components' exhibits for details, including the full delivery schedule. "A" in the Delivery Schedule indicates the Contract Award Date. Note: Due to space limitations, quantities in the Exhibit P-21 delivery calendar are truncated and rounded based on the maximum quantity in the calendar as follows. If the maximum quantity is less than or equal to than 9,999, all quantities are shown as each. If the maximum quantity is between 10,000 and 999,999 all quantities are shown in thousands. If the maximum quantity is between 1,000,000 and 999,999,999 all quantities are shown in millions (rounded to the nearest thousand).If the maximum quantity is equal or greater than 1,000,000,000 all quantities are shown in billions (rounded to the nearest million).													

**UNCLASSIFIED**

Exhibit P-5, Cost Analysis: PB 2016 Army											Date: February 2015							
Appropriation / Budget Activity / Budget Sub Activity: 2034A / 01 / 35						P-1 Line Item Number / Title: E22203 / Cartridges, Tank, 105MM And 120MM, All Types						Item Number / Title [DODIC]: E73400 / CTG TANK 120MM TPCSDS-T M865 [C785]						
ID Code (A=Service Ready, B=Not Service Ready) : A										MDAP/MAIS Code:								
Resource Summary				Prior Years		FY 2014		FY 2015		FY 2016 Base		FY 2016 OCO		FY 2016 Total				
Procurement Quantity (Units in Each)				3,649,000		-		-		-		-		-				
Gross/Weapon System Cost (\$ in Millions)				2,529.397		62.229		19.915		28.263		-		28.263				
Less PY Advance Procurement (\$ in Millions)				-		-		-		-		-		-				
Net Procurement (P1) (\$ in Millions)				2,529.397		62.229		19.915		28.263		-		28.263				
Plus CY Advance Procurement (\$ in Millions)				-		-		-		-		-		-				
Total Obligation Authority (\$ in Millions)				2,529.397		62.229		19.915		28.263		-		28.263				
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)																		
Initial Spares (\$ in Millions)				-		-		-		-		-		-				
Gross/Weapon System Unit Cost (\$ in Dollars)				693.18		-		-		-		-		-				
Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.																		
Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
Support Cost																		
PRODUCTION ENGINEERING	-	-	2,529.397	-	-	2.383	-	-	0.809	-	-	1.130	-	-	-	-	-	1.130
ACCEPTANCE TESTING	-	-	-	-	-	1.553	-	-	-	-	-	-	-	-	-	-	-	-
QUALITY ASSURANCE	-	-	-	-	-	0.013	-	-	0.010	-	-	0.010	-	-	-	-	-	0.010
NRE SUPPORT	-	-	-	-	-	1.269	-	-	1.789	-	-	1.717	-	-	-	-	-	1.717
RECAPITALIZATION-M865	-	-	-	-	-	54.953	-	-	12.390	-	-	22.619	-	-	-	-	-	22.619
QUALIFICATION OF LONGER M865 PROJECTILE	-	-	-	-	-	1.763	-	-	2.620	-	-	0.601	-	-	-	-	-	0.601
CTG CASE IMPROVEMENT	-	-	-	-	-	0.095	-	-	1.219	-	-	1.050	-	-	-	-	-	1.050
HERO PRIMER	-	-	-	-	-	0.200	-	-	1.078	-	-	1.136	-	-	-	-	-	1.136
Subtotal: Support Cost	-	-	2,529.397	-	-	62.229	-	-	19.915	-	-	28.263	-	-	-	-	-	28.263
Gross/Weapon System Cost	693.18	3,649,000	2,529.397	-	-	62.229	-	-	19.915	-	-	28.263	-	-	-	-	-	28.263



**UNCLASSIFIED**

Exhibit P-5, Cost Analysis: PB 2016 Army											Date: February 2015							
Appropriation / Budget Activity / Budget Sub Activity: 2034A / 01 / 35						P-1 Line Item Number / Title: E22203 / Cartridges, Tank, 105MM And 120MM, All Types						Item Number / Title [DODIC]: E88106 / CTG, TANK, 120MM APFSDS-T, M829E4 [CA64]						
ID Code (A=Service Ready, B=Not Service Ready) : A										MDAP/MAIS Code:								
Resource Summary				Prior Years		FY 2014		FY 2015		FY 2016 Base		FY 2016 OCO		FY 2016 Total				
Procurement Quantity (Units in Each)				-		860		3,485		3,673		-		3,673				
Gross/Weapon System Cost (\$ in Millions)				-		30.168		41.235		38.978		-		38.978				
Less PY Advance Procurement (\$ in Millions)				-		-		-		-		-		-				
Net Procurement (P1) (\$ in Millions)				-		30.168		41.235		38.978		-		38.978				
Plus CY Advance Procurement (\$ in Millions)				-		-		-		-		-		-				
Total Obligation Authority (\$ in Millions)				-		30.168		41.235		38.978		-		38.978				
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)																		
Initial Spares (\$ in Millions)				-		-		-		-		-		-				
Gross/Weapon System Unit Cost (\$ in Dollars)				-		35,079.07		11,832.14		10,612.03		-		10,612.03				
Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.																		
Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
Hardware Cost																		
Recurring Cost																		
COMPLETE ROUND <sup>(†)</sup>	-	-	-	26,221.00	860	22.550	10,291.68	3,485	35.867	9,430.86	3,673	34.640	-	-	-	9,430.86	3,673	34.640
Subtotal: Recurring Cost	-	-	-	-	-	22.550	-	-	35.867	-	-	34.640	-	-	-	-	-	34.640
Subtotal: Hardware Cost	-	-	-	-	-	22.550	-	-	35.867	-	-	34.640	-	-	-	-	-	34.640
Support Cost																		
PRODUCTION ENGINEERING	-	-	-	-	-	3.197	-	-	4.510	-	-	3.731	-	-	-	-	-	3.731
ACCEPTANCE TESTING	-	-	-	-	-	0.250	-	-	0.250	-	-	0.250	-	-	-	-	-	0.250
FIRST ARTICLE TEST	-	-	-	-	-	1.461	-	-	0.158	-	-	0.157	-	-	-	-	-	0.157
SABOT ALTERNATE MATERIAL	-	-	-	-	-	0.119	-	-	-	-	-	-	-	-	-	-	-	-
PRODUCTION VERIFICATION TEST	-	-	-	-	-	-	-	-	0.450	-	-	0.200	-	-	-	-	-	0.200
DEPLETED URANIUM CLEANUP	-	-	-	-	-	1.500	-	-	-	-	-	-	-	-	-	-	-	-
LIVE FIRE SUPPORT	-	-	-	-	-	1.091	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Support Cost	-	-	-	-	-	7.618	-	-	5.368	-	-	4.338	-	-	-	-	-	4.338
Gross/Weapon System Cost	-	-	-	35,079.07	860	30.168	11,832.14	3,485	41.235	10,612.03	3,673	38.978	-	-	-	10,612.03	3,673	38.978
(†) indicates the presence of a P-5a																		

**UNCLASSIFIED**

<b>Exhibit P-5a, Procurement History and Planning:</b> PB 2016 Army								<b>Date:</b> February 2015				
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 2034A / 01 / 35				<b>P-1 Line Item Number / Title:</b> E22203 / Cartridges, Tank, 105MM And 120MM, All Types				<b>Item Number / Title [DODIC]:</b> E88106 / CTG, TANK, 120MM APFSDS-T, M829E4 [CA64]				
Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$)	Specs Avail Now?	Date Revision Available	RFP Issue Date
COMPLETE ROUND <sup>(†)</sup>		2014	ALLIANT TECHSYSTEMS INC. / PLYMOUTH, MN	SS / FFP	PICATINNY ARSENAL, NJ	Jul 2014	Mar 2015	860	26,221.00	Y		
COMPLETE ROUND <sup>(†)</sup>		2015	ALLIANT TECHSYSTEMS INC. / PLYMOUTH, MN	SS / FFP	PICATINNY ARSENAL, NJ	Mar 2015	May 2016	3,485	10,291.68	Y		
COMPLETE ROUND <sup>(†)</sup>		2016	ALLIANT TECHSYSTEMS INC. / PLYMOUTH, MN	SS / FFP	PICATINNY ARSENAL, NJ	Mar 2016	May 2017	3,673	9,430.86	Y		

<sup>(†)</sup> indicates the presence of a P-21

**Remarks:**

This is a war reserve item used in combat. The FY 2016 request builds a war reserve inventory in accordance with Army's procurement goals. FY 2016 Base procurement dollars in the amount of \$38.978 million supports .004 million M829E4 cartridges.

TYPE CLASSIFICATION DATE: 2014

This item is Code A, approved for service use.

UNCLASSIFIED

Exhibit P-21, Production Schedule: PB 2016 Army																							Date: February 2015												
Appropriation / Budget Activity / Budget Sub Activity: 2034A / 01 / 35											P-1 Line Item Number / Title: E22203 / Cartridges, Tank, 105MM And 120MM, All Types											Item Number / Title [DODIC]: E88106 / CTG, TANK, 120MM APFSDS-T, M829E4 [CA64]													
Cost Elements (Units in Each)							Fiscal Year 2014														Fiscal Year 2015														
O C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2013	BAL DUE AS OF 1 OCT	Calendar Year 2014														Calendar Year 2015														B A L
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P					
COMPLETE ROUND																																			
	1	2014	ARMY	860	-	860										A	-	-	-	-	-	-	-	-	-	430	-	-	-	430			-		
	1	2015	ARMY	3,485	-	3,485																				A	-	-	-	-	-	-	3,485		
	1	2016	ARMY	3,673	-	3,673																										3,673			
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L				

UNCLASSIFIED

Exhibit P-21, Production Schedule: PB 2016 Army																				Date: February 2015														
Appropriation / Budget Activity / Budget Sub Activity: 2034A / 01 / 35										P-1 Line Item Number / Title: E22203 / Cartridges, Tank, 105MM And 120MM, All Types										Item Number / Title [DODIC]: E88106 / CTG, TANK, 120MM APFSDS-T, M829E4 [CA64]														
Cost Elements <i>(Units in Each)</i>							Fiscal Year 2016													Fiscal Year 2017														
O C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2015	BAL DUE AS OF 1 OCT	Calendar Year 2016													Calendar Year 2017													B A L	
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P				
COMPLETE ROUND																																		
	1	2014	ARMY	860	860	-																												-
	1	2015	ARMY	3,485	-	3,485	-	-	-	-	-	-	-	295	290	290	290	290	290	290	290	290	290	290	290	290	290						-	
	1	2016	ARMY	3,673	-	3,673						A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	307	306	306	306	306	2,142	
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L			

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Exhibit P-21, Production Schedule: PB 2016 Army																				Date: February 2015													
Appropriation / Budget Activity / Budget Sub Activity: 2034A / 01 / 35										P-1 Line Item Number / Title: E22203 / Cartridges, Tank, 105MM And 120MM, All Types										Item Number / Title [DODIC]: E88106 / CTG, TANK, 120MM APFSDS-T, M829E4 [CA64]													
Cost Elements (Units in Each)							Fiscal Year 2018													Fiscal Year 2019													
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2017	BAL DUE AS OF 1 OCT	Calendar Year 2018													Calendar Year 2019													
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L		
COMPLETE ROUND																																	
	1	2014	ARMY	860	860	-																											-
	1	2015	ARMY	3,485	3,485	-																											-
	1	2016	ARMY	3,673	1,531	2,142	306	306	306	306	306	306	306																			-	
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L		

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Exhibit P-21, Production Schedule: PB 2016 Army									Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 2034A / 01 / 35					P-1 Line Item Number / Title: E22203 / Cartridges, Tank, 105MM And 120MM, All Types				Item Number / Title [DODIC]: E88106 / CTG, TANK, 120MM APFSDS-T, M829E4 [CA64]				
		Production Rates (Each / Month)			Procurement Leadtime (Months)								
MFR Ref #	MFR Name - Location	MSR For 2016	1-8-5 For 2016	MAX For 2016	Initial				Reorder				
					ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1	
1	ALLIANT TECHSYSTEMS INC. - PLYMOUTH, MN	1,000	3,000	5,000	6	9	15	24	6	6	14	20	

"A" in the Delivery Schedule indicates the Contract Award Date.

Note: Due to space limitations, quantities in the Exhibit P-21 delivery calendar are truncated and rounded based on the maximum quantity in the calendar as follows. If the maximum quantity is less than or equal to than 9,999, all quantities are shown as each. If the maximum quantity is between 10,000 and 999,999 all quantities are shown in thousands. If the maximum quantity is between 1,000,000 and 999,999,999 all quantities are shown in millions (rounded to the nearest thousand).If the maximum quantity is equal or greater than 1,000,000,000 all quantities are shown in billions (rounded to the nearest million).